

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/238,972DATE: 02/09/1999
TIME: 15:04:16

Input Set: I238972.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

#3

edm
4-2-99
ENTERED

1 <110> APPLICANT: MacLeod, Carol L.
2 <120> TITLE OF INVENTION: Inhibition of Cationic Amino Acid Transporter Protein
3 and Uses Thereof
4 <130> FILE REFERENCE: D5232CIP3
5 <140> CURRENT APPLICATION NUMBER: US/09/238,972
6 <141> CURRENT FILING DATE: 1999-01-27
7 <150> EARLIER APPLICATION NUMBER: US 08/187,634
8 <151> EARLIER FILING DATE: 1994-26-01
9 <160> NUMBER OF SEQ ID NOS: 16
10 <210> SEQ ID NO 1
11 <211> LENGTH: 25
12 <212> TYPE: DNA
13 <213> ORGANISM: artificial sequence
14 <220> FEATURE:
15 <222> LOCATION: 489..515
16 <223> OTHER INFORMATION: CAT2 sense oligonucleotide
17 <400> SEQUENCE: 1
18 tatccaagac ttctttgccg tgtgc 25
19 <210> SEQ ID NO 2
20 <211> LENGTH: 23
21 <212> TYPE: DNA
22 <213> ORGANISM: artificial sequence
23 <220> FEATURE:
24 <222> LOCATION: 1406..1429
25 <223> OTHER INFORMATION: CAT2 antisense oligonucleotide
26 <400> SEQUENCE: 2
27 gtaggctgaa accctgtcct tgc 23.
28 <210> SEQ ID NO 3
29 <211> LENGTH: 27
30 <212> TYPE: DNA
31 <213> ORGANISM: artificial sequence
32 <220> FEATURE:
33 <221> NAME/KEY: primer_bind
34 <222> LOCATION: 1453..1470
35 <223> OTHER INFORMATION: Primer used in RT of total RNA from mouse cell
36 lines SL12.4 and J774, mouse liver and skeletal
37 muscle tissues, and from unstimulated and
38 stimulated splenocytes to detect CAT2 promoter usage.
39 <400> SEQUENCE: 3
40 cgcgaattcc gactgtcgtg tgggcag 27
41 <210> SEQ ID NO 4
42 <211> LENGTH: 24
43 <212> TYPE: DNA
44 <213> ORGANISM: artificial sequence

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/238,972

DATE: 02/09/1999

TIME: 15:04:16

Input Set: I238972.RAW

45 <220> FEATURE:
46 <221> NAME/KEY: primer_bind
47 <222> LOCATION: 489..513
48 <223> OTHER INFORMATION: Primer used to amplify Cat2 isoform
49 <400> SEQUENCE: 4
50 tatccagact tctttgccgt gtgc 24
51 <210> SEQ ID NO 5
52 <211> LENGTH: 23
53 <212> TYPE: DNA
54 <213> ORGANISM: artificial sequence
55 <220> FEATURE:
56 <221> NAME/KEY: primer_bind
57 <222> LOCATION: 1406..1429
58 <223> OTHER INFORMATION: Primer used to amplify Cat2a isoform
59 <400> SEQUENCE: 5
60 gtaggctgaa accctgtcct tgc 23
61 <210> SEQ ID NO 6
62 <211> LENGTH: 22
63 <212> TYPE: DNA
64 <213> ORGANISM: artificial sequence
65 <220> FEATURE:
66 <222> LOCATION: 1071..1093
67 <223> OTHER INFORMATION: CAT2 specific 5(-end labeled oligonucleotide probe
68 used to authenticate PCR product
69 <400> SEQUENCE: 6
70 tcccaatgcc tcgtgtaatc ta 22
71 <210> SEQ ID NO 7
72 <211> LENGTH: 22
73 <212> TYPE: DNA
74 <213> ORGANISM: artificial sequence
75 <220> FEATURE:
76 <222> LOCATION: 1159..1181
77 <223> OTHER INFORMATION: CAT2a specific 5(-end labeled oligonucleotide probe
78 used to authenticate PCR product
79 <400> SEQUENCE: 7
80 tgcagtcatc gtggcagcaa cg 22
81 <210> SEQ ID NO 8
82 <211> LENGTH: 22
83 <212> TYPE: DNA
84 <213> ORGANISM: artificial sequence
85 <220> FEATURE:
86 <221> NAME/KEY: primer_bind
87 <223> OTHER INFORMATION: Oligonucleotide used to amplify Cat2 transcripts
88 from the liver of Cat2-/- mice
89 <400> SEQUENCE: 8
90 tgtctgcgcg gatctggaaa gg 22
91 <210> SEQ ID NO 9
92 <211> LENGTH: 22
93 <212> TYPE: DNA
94 <213> ORGANISM: artificial sequence

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/238,972

DATE: 02/09/1999

TIME: 15:04:16

Input Set: I238972.RAW

```

95  <220> FEATURE:
96  <221> NAME/KEY: primer_bind
97  <223> OTHER INFORMATION: Oligonucleotide used to amplify Cat2 transcripts
98      from the liver of Cat2-/- mice
99  <400> SEQUENCE: 9
100      gccctgaatg aactgcagga cg                22
101  <210> SEQ ID NO 10
102  <211> LENGTH: 27
103  <212> TYPE: DNA
104  <213> ORGANISM: artificial sequence
105  <220> FEATURE:
106  <221> NAME/KEY: primer_bind
107  <223> OTHER INFORMATION: Oligonucleotide used to amplify Cat2 transcripts
108      from the liver of Cat2-/- mice
109  <400> SEQUENCE: 10
110      cgcgaattcg tctggatact ctgccag          27
111  <210> SEQ ID NO 11
112  <211> LENGTH: 23
113  <212> TYPE: DNA
114  <213> ORGANISM: artificial sequence
115  <220> FEATURE:
116  <221> NAME/KEY: primer_bind
117  <223> OTHER INFORMATION: Primer used to clone the NOS2 cDNA by RT/PCR
118      from mouse mammary tumor cDNA
119  <400> SEQUENCE: 11
120      cagtgccctg ctttgtgcga agt                23
121  <210> SEQ ID NO 12
122  <211> LENGTH: 25
123  <212> TYPE: DNA
124  <213> ORGANISM: artificial sequence
125  <220> FEATURE:
126  <221> NAME/KEY: primer_bind
127  <223> OTHER INFORMATION: Primer used to clone the NOS2 cDNA by RT/PCR
128      from mouse mammary tumor cDNA
129  <400> SEQUENCE: 12
130      aacgtttctg gctcttgagc tggaa            25
131  <210> SEQ ID NO 13
132  <211> LENGTH: 67
133  <212> TYPE: DNA
134  <213> ORGANISM: artificial sequence
135  <220> FEATURE:
136  <223> OTHER INFORMATION: Nucleotide sequence of truncated Cat2 cDNA from
137      Cat2-/- liver
138  <400> SEQUENCE: 13
139      ggcaactgcc cagtacgtcc agtgtcgcaa gagcatggag tggcaccttt gacgaacttc 60
140      ttaataa                                     67
141  <210> SEQ ID NO 14
142  <211> LENGTH: 5
143  <212> TYPE: PRT
144  <213> ORGANISM: artificial sequence

```

PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/238,972DATE: 02/09/1999
TIME: 15:04:16

Input Set: I238972.RAW

145 <220> FEATURE:
146 <223> OTHER INFORMATION: Predicted protein sequence coded by truncated Cat2 cDNA
147 <400> SEQUENCE: 14
148 Met Glu Trp His Leu
149 5
150 <210> SEQ ID NO 15
151 <211> LENGTH: 21
152 <212> TYPE: DNA
153 <213> ORGANISM: artificial sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Nucleotide sequence of the Neomycin (Neo) cassette
156 <400> SEQUENCE: 15
157 ttcttctgag gggatttcca g 21
158 <210> SEQ ID NO 16
159 <211> LENGTH: 9
160 <212> TYPE: DNA
161 <213> ORGANISM: artificial sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Nucleotide sequence of Exon 3 at point where Neo cassette
164 is spliced
165 <400> SEQUENCE: 16
166 gtacgtcca 9

PAGE: 5

VERIFICATION SUMMARY
PATENT APPLICATION US/09/238,972

DATE: 02/09/1999
TIME: 15:04:16

Input Set: I238972.RAW

Line ? Error/Warning

Original Text
